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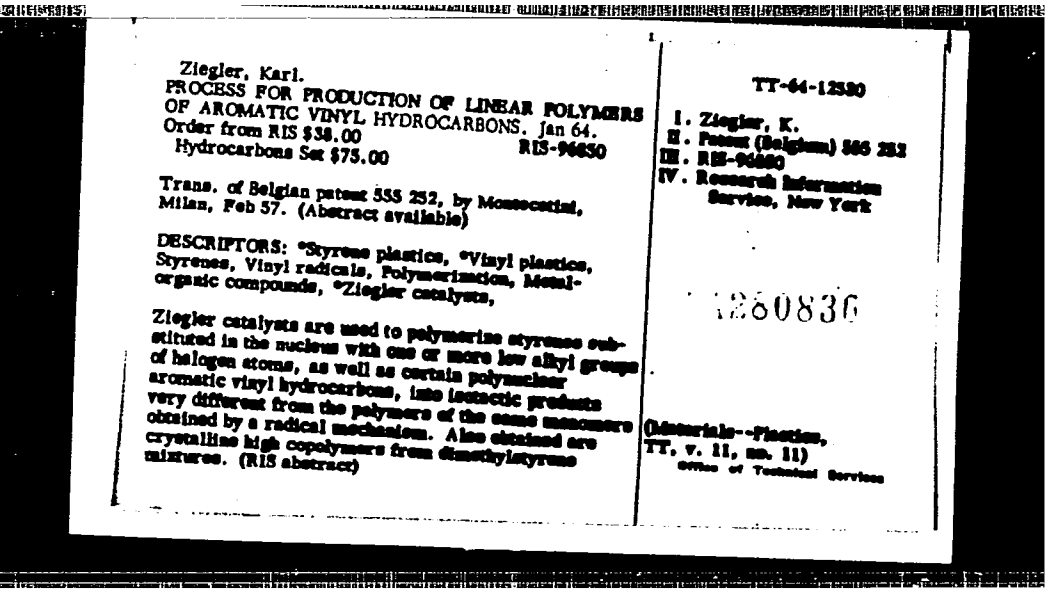

Ziegler, Karl.
PROCESS FOR PRODUCTION OF LINEAR POLYMERS OF AROMATIC VINYL HYDROCARBONS. Jan 64.
Order from RIS $38.00 RIS-96850
Hydrocarbons Set $75.00

Trans. of Belgian patent 555 252, by Montecatini, Milan, Feb 57. (Abstract available)

DESCRIPTORS: *Styrene plastics, *Vinyl plastics, Styrenes, Vinyl radicals, Polymerization, Metal-organic compounds, *Ziegler catalysts,

Ziegler catalysts are used to polymerize styrenes substituted in the nucleus with one or more low alkyl groups of halogen atoms, as well as certain polynuclear aromatic vinyl hydrocarbons, into isotactic products very different from the polymers of the same monomers obtained by a radical mechanism. Also obtained are crystalline high copolymers from dimethylstyrene mixtures. (RIS abstract)

TT-64-12580

I. Ziegler, K.
II. Patent (Belgium) 555 252
III. RIS-96850
IV. Research Information Service, New York

1260836

(Materials--Plastics, TT, v. 11, no. 11)
Office of Technical Services

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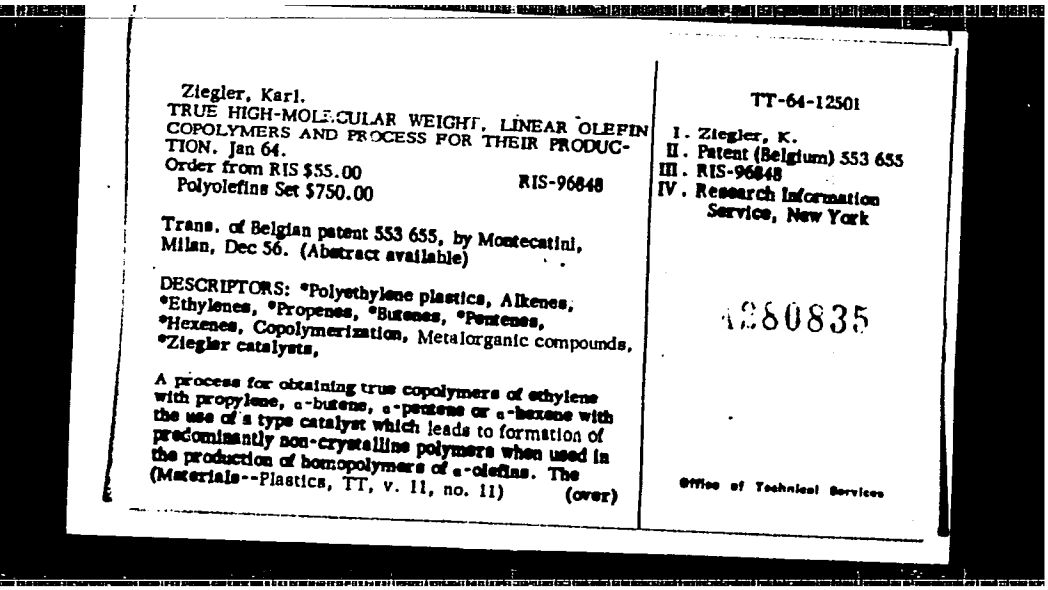

Ziegler, Karl.
TRUE HIGH-MOLECULAR WEIGHT, LINEAR OLEFIN COPOLYMERS AND PROCESS FOR THEIR PRODUCTION. Jan 64.
Order from RIS $55.00
Polyolefins Set $750.00 RIS-96848

Trans. of Belgian patent 553 655, by Montecatini, Milan, Dec 56. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, Alkenes, *Ethylenes, *Propenes, *Butenes, *Pentenes, *Hexenes, Copolymerization, Metalorganic compounds, *Ziegler catalysts,

A process for obtaining true copolymers of ethylene with propylene, α-butene, α-pentene or α-hexene with the use of a type catalyst which leads to formation of predominantly non-crystalline polymers when used in the production of homopolymers of α-olefins. The (Materials--Plastics, TT, v. II, no. 11) (over)

TT-64-12501

I. Ziegler, K.
II. Patent (Belgium) 553 655
III. RIS-96848
IV. Research Information Service, New York

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

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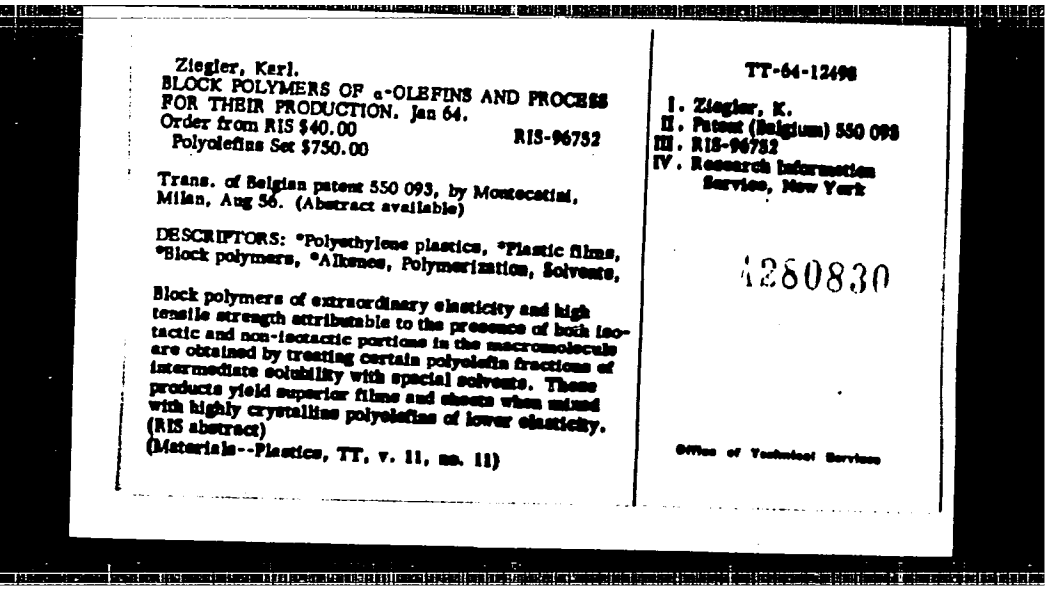

Ziegler, Karl.
BLOCK POLYMERS OF α-OLEFINS AND PROCESS FOR THEIR PRODUCTION. Jan 64.
Order from RIS $40.00 RIS-96752
Polyolefins Set $750.00

Trans. of Belgian patent 550 093, by Montecatini, Milan, Aug 56. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, *Plastic films, *Block polymers, *Alkenes, Polymerization, Solvents,

Block polymers of extraordinary elasticity and high tensile strength attributable to the presence of both isotactic and non-isotactic portions in the macromolecule are obtained by treating certain polyolefin fractions of intermediate solubility with special solvents. These products yield superior films and sheets when mixed with highly crystalline polyolefins of lower elasticity. (RIS abstract)
(Materials--Plastics, TT, v. 11, no. 11)

TT-64-12498

I. Ziegler, K.
II. Patent (Belgium) 550 093
III. RIS-96752
IV. Research Information Service, New York

1280830

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

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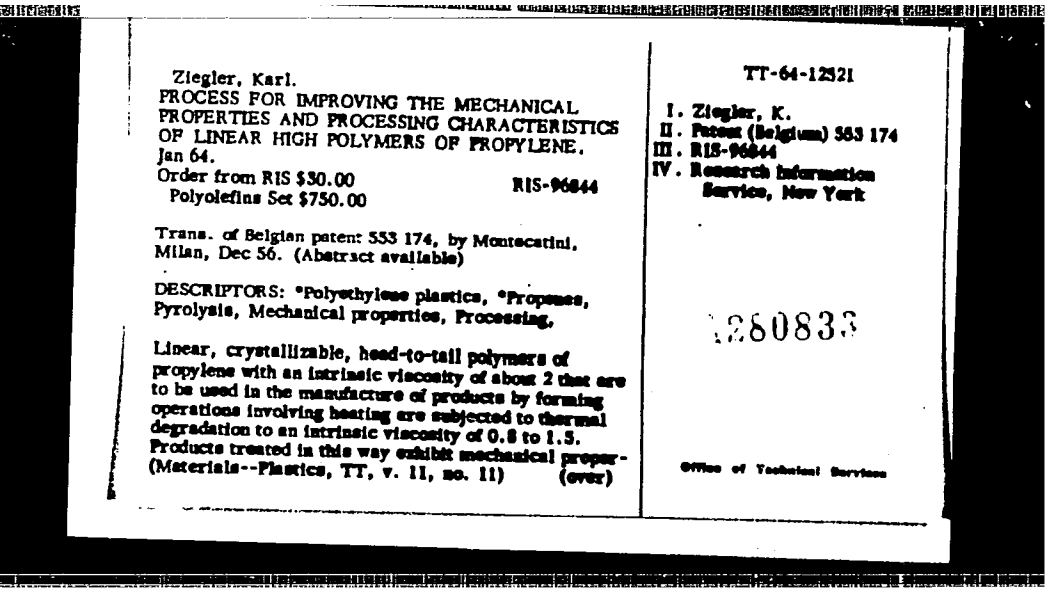

Ziegler, Karl.
PROCESS FOR IMPROVING THE MECHANICAL PROPERTIES AND PROCESSING CHARACTERISTICS OF LINEAR HIGH POLYMERS OF PROPYLENE.
Jan 64.
Order from RIS $30.00 RIS-96844
Polyolefins Set $750.00

Trans. of Belgian patent 553 174, by Montecatini, Milan, Dec 56. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, *Propenes, Pyrolysis, Mechanical properties, Processing.

Linear, crystallizable, head-to-tail polymers of propylene with an intrinsic viscosity of about 2 that are to be used in the manufacture of products by forming operations involving heating are subjected to thermal degradation to an intrinsic viscosity of 0.8 to 1.5. Products treated in this way exhibit mechanical proper-
(Materials--Plastics, TT, v. 11, no. 11) (over)

TT-64-12521

I. Ziegler, K.
II. Patent (Belgium) 553 174
III. RIS-96844
IV. Research Information Service, New York

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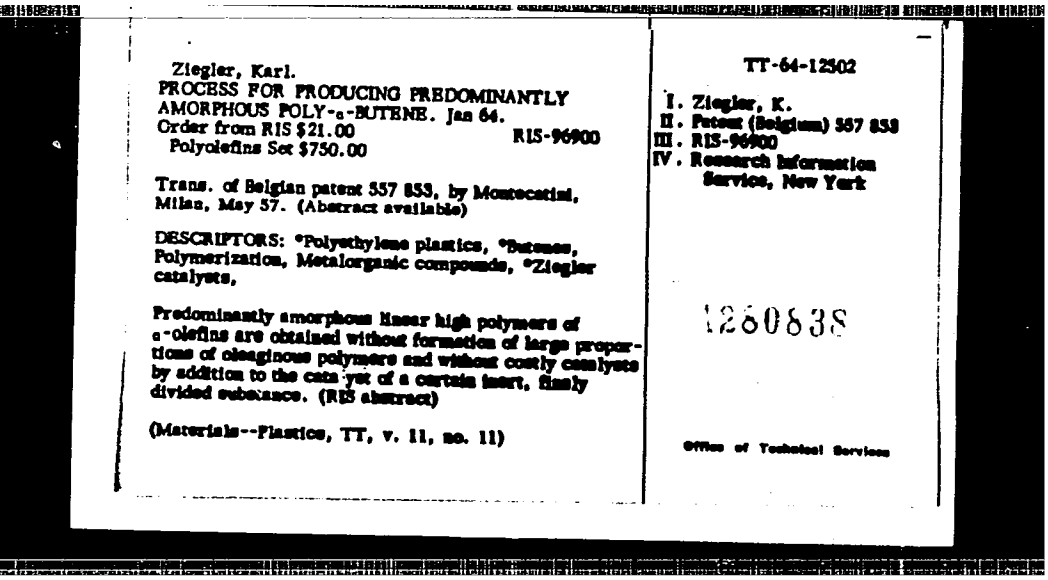
Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6



Ziegler, Karl.
PROCESS FOR PRODUCING PREDOMINANTLY AMORPHOUS POLY-α-BUTENE. Jan 64.
Order from RIS $21.00 RIS-96900
Polyolefins Set $750.00

Trans. of Belgian patent 557 853, by Montecatini, Milan, May 57. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, *Butenes, Polymerization, Metalorganic compounds, *Ziegler catalysts,

Predominantly amorphous linear high polymers of α-olefins are obtained without formation of large proportions of oleaginous polymers and without costly catalysts by addition to the catalyst of a certain inert, finely divided substance. (RIS abstract)

(Materials--Plastics, TT, v. 11, no. 11)

TT-64-12502

I. Ziegler, K.
II. Patent (Belgium) 557 853
III. RIS-96900
IV. Research Information Service, New York

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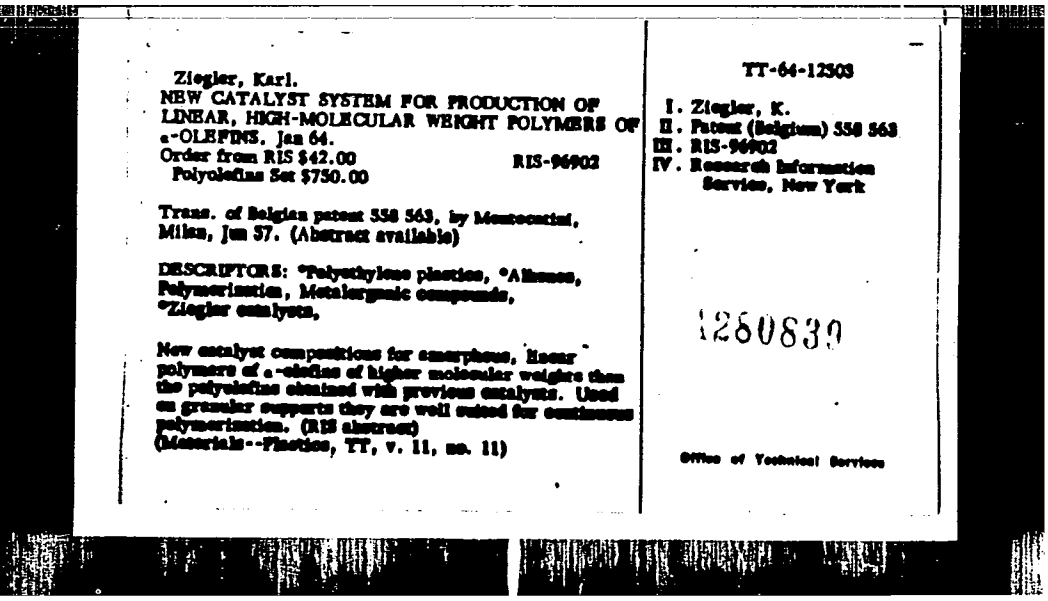
APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6



Ziegler, Karl.
NEW CATALYST SYSTEM FOR PRODUCTION OF LINEAR, HIGH-MOLECULAR WEIGHT POLYMERS OF α-OLEFINS. Jan 64.
Order from RIS $42.00 RIS-96902
Polyolefins Set $750.00

Trans. of Belgian patent 558 563, by Montecatini, Milan, Jun 57. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, *Alkenes, Polymerization, Metalorganic compounds, *Ziegler catalysts,

New catalyst compositions for amorphous, linear polymers of α-olefins of higher molecular weights than the polyolefins obtained with previous catalysts. Used on granular supports they are well suited for continuous polymerization. (RIS abstract)
(Materials--Plastics, TT, v. 11, no. 11)

TT-64-12503

I. Ziegler, K.
II. Patent (Belgium) 558 563
III. RIS-96902
IV. Research Information Service, New York

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

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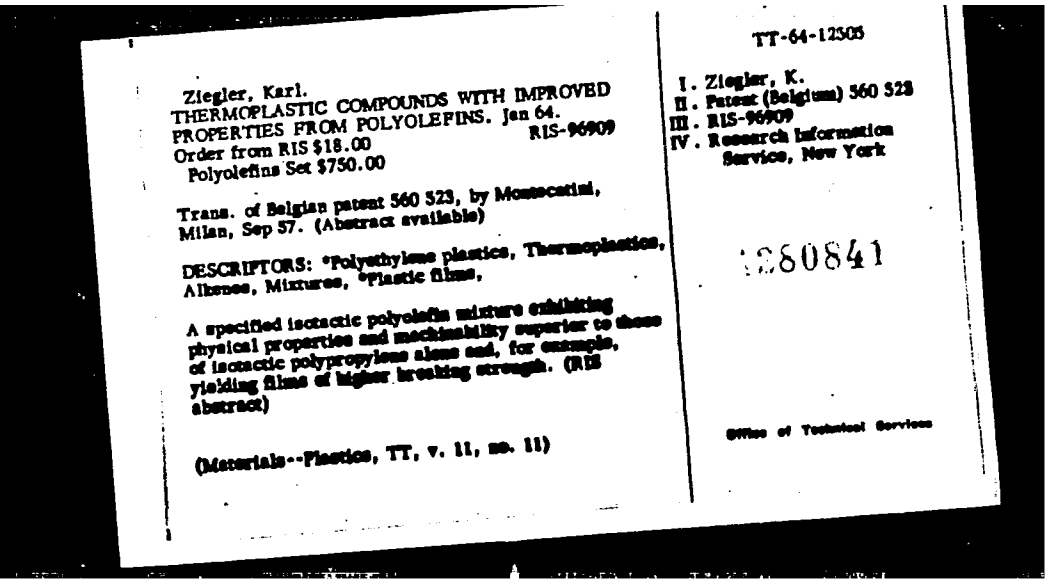

Ziegler, Karl.
THERMOPLASTIC COMPOUNDS WITH IMPROVED PROPERTIES FROM POLYOLEFINS. Jan 64.
Order from RIS $18.00 RIS-96909
Polyolefins Set $750.00

Trans. of Belgian patent 560 523, by Montecatini, Milan, Sep 57. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, Thermoplastics, Albenes, Mixtures, *Plastic films,

A specified isotactic polyolefin mixture exhibiting physical properties and machinability superior to those of isotactic polypropylene alone and, for example, yielding films of higher breaking strength. (RIS abstract)

(Materials--Plastics, TT, v. 11, no. 11)

TT-64-12505

I. Ziegler, K.
II. Patent (Belgium) 560 523
III. RIS-96909
IV. Research Information Service, New York

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

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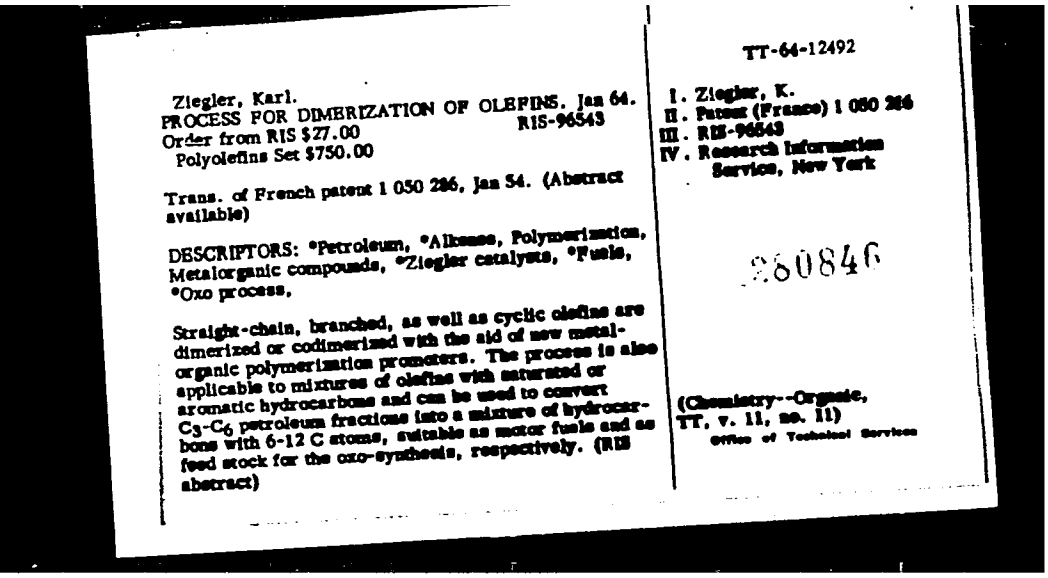


Ziegler, Karl.
PROCESS FOR DIMERIZATION OF OLEFINS. Jan 64.
Order from RIS $27.00 RIS-96543
Polyolefins Set $750.00

Trans. of French patent 1 050 286, Jan 54. (Abstract available)

DESCRIPTORS: *Petroleum, *Alkenes, Polymerization, Metalorganic compounds, *Ziegler catalysts, *Fuels, *Oxo process,

Straight-chain, branched, as well as cyclic olefins are dimerized or codimerized with the aid of new metal-organic polymerization promoters. The process is also applicable to mixtures of olefins with saturated or aromatic hydrocarbons and can be used to convert C_3-C_6 petroleum fractions into a mixture of hydrocarbons with 6-12 C atoms, suitable as motor fuels and as feed stock for the oxo-synthesis, respectively. (RIS abstract)

TT-64-12492

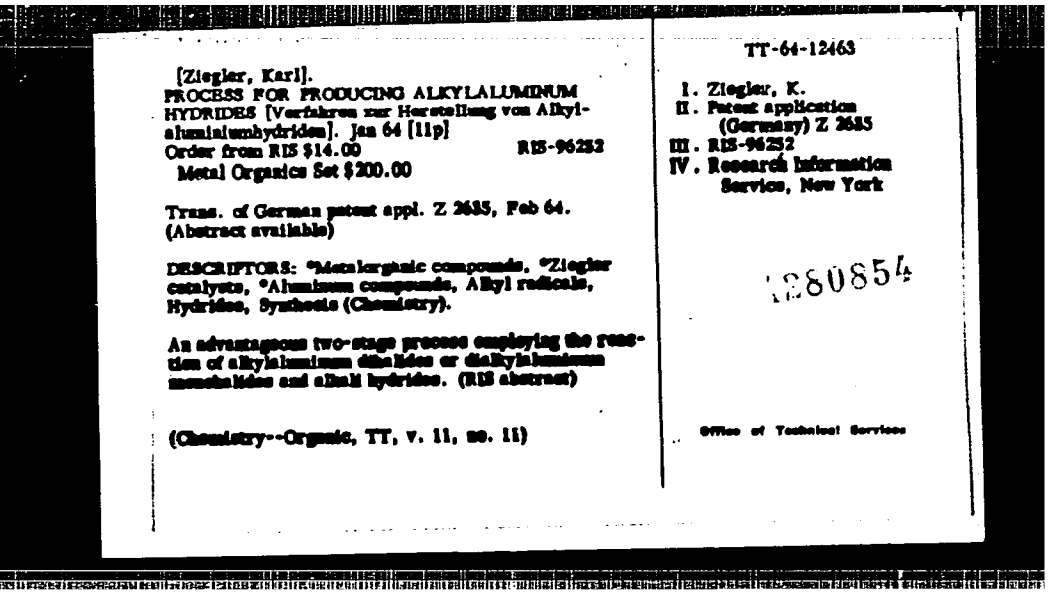
I. Ziegler, K.
II. Patent (France) 1 050 286
III. RIS-96543
IV. Research Information Service, New York

260846

(Chemistry--Organic, TT, v. 11, no. 11)
Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6



[Ziegler, Karl].
PROCESS FOR PRODUCING ALKYLALUMINUM HYDRIDES [Verfahren zur Herstellung von Alkylaluminiumhydriden]. Jan 64 [11p]
Order from RIS $14.00 RIS-96252
Metal Organics Set $200.00

Trans. of German patent appl. Z 2635, Feb 64. (Abstract available)

DESCRIPTORS: *Metalorganic compounds, *Ziegler catalysts, *Aluminum compounds, Alkyl radicals, Hydrides, Synthesis (Chemistry).

An advantageous two-stage process employing the reaction of alkylaluminum dihalides or dialkylaluminum monohalides and alkali hydrides. (RIS abstract)

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-12463

I. Ziegler, K.
II. Patent application (Germany) Z 2635
III. RIS-96252
IV. Research Information Service, New York

1280854

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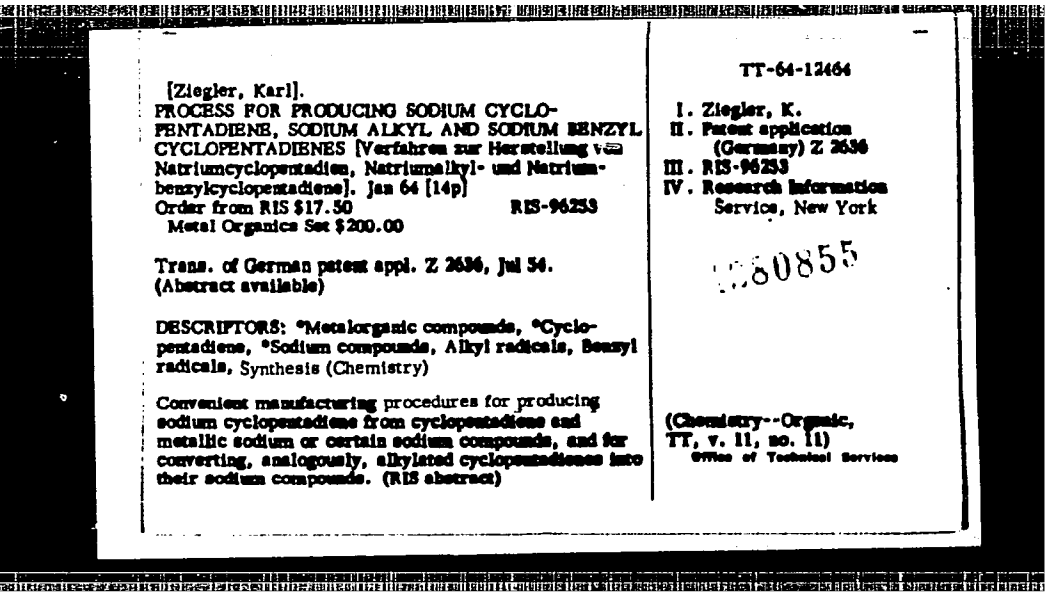
APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6



[Ziegler, Karl].
PROCESS FOR PRODUCING SODIUM CYCLOPENTADIENE, SODIUM ALKYL AND SODIUM BENZYL CYCLOPENTADIENES [Verfahren zur Herstellung von Natriumcyclopentadien, Natriumalkyl- und Natriumbenzylcyclopentadiene]. Jan 64 [14p]
Order from RIS $17.50 RIS-96253
Metal Organics Set $200.00

Trans. of German patent appl. Z 2636, Jul 56.
(Abstract available)

DESCRIPTORS: *Metalorganic compounds, *Cyclopentadiene, *Sodium compounds, Alkyl radicals, Benzyl radicals, Synthesis (Chemistry)

Convenient manufacturing procedures for producing sodium cyclopentadiene from cyclopentadiene and metallic sodium or certain sodium compounds, and for converting, analogously, alkylated cyclopentadienes into their sodium compounds. (RIS abstract)

TT-64-12464

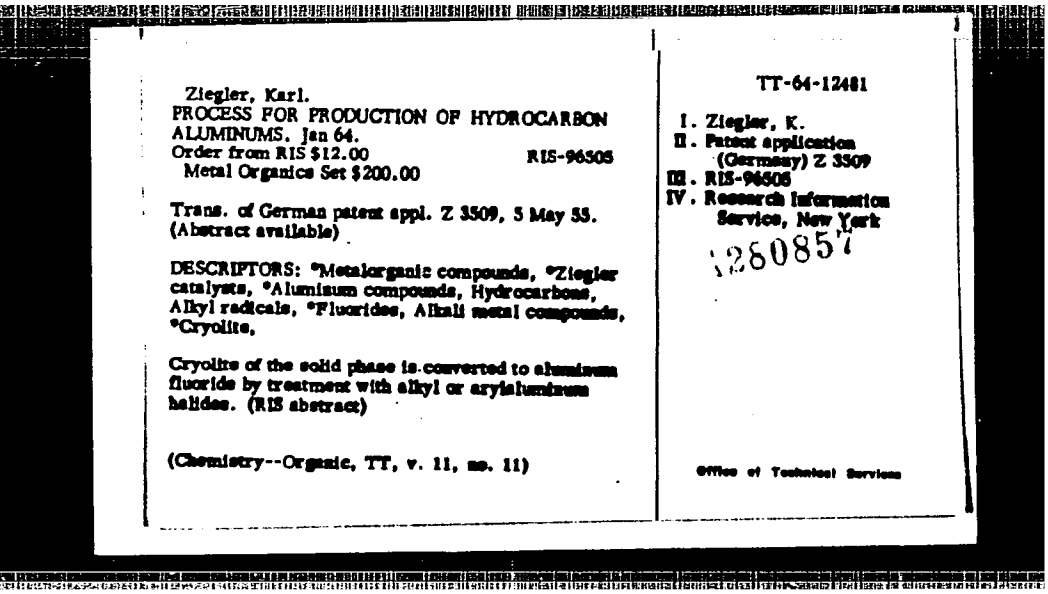
I. Ziegler, K.
II. Patent application (Germany) Z 2636
III. RIS-96253
IV. Research Information Service, New York

80855

(Chemistry--Organic, TT, v. 11, no. 11)
Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6



Ziegler, Karl.
PROCESS FOR PRODUCTION OF HYDROCARBON ALUMINUMS. Jan 64.
Order from RIS $12.00 RIS-96505
Metal Organics Set $200.00

Trans. of German patent appl. Z 3509, 5 May 55.
(Abstract available)

DESCRIPTORS: *Metalorganic compounds, *Ziegler catalysts, *Aluminum compounds, Hydrocarbons, Alkyl radicals, *Fluorides, Alkali metal compounds, *Cryolite.

Cryolite of the solid phase is converted to aluminum fluoride by treatment with alkyl or arylaluminum halides. (RIS abstract)

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-12481

I. Ziegler, K.
II. Patent application (Germany) Z 3509
III. RIS-96505
IV. Research Information Service, New York

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl.
PROCESS FOR PRODUCING DIALKYLALUMINUM HYDRIDES. Jan 64.
Order from RIS $15.50 RIS-96483
Metal Organics Set $200.00

Trans. of German patent appl. Z 4269, Nov 55. (Abstract available)

DESCRIPTORS: *Metalorganic compounds, *Ziegler catalysts, *Aluminum compounds, Alkyl radicals, *Hydrides, Synthesis (Chemistry).

The use of suitable catalysts and reaction conditions makes it possible to obtain dialkylaluminum hydrides by simple thermal cleavage of trialkylaluminums while preventing decomposition of the product. (RIS abstract)

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-12474

I. Ziegler, K.
II. Patent (Germany) Z 4269
III. RIS-96483
IV. Research Information Service, New York

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl.
PROCESS FOR PRODUCTION OF VOLATILE POLYMERS OF ETHYLENE. Jan 64.
Order from RIS $12.50 RIS-96853
Polyolefins Set $750.00

Trans. of German patent appl. Z 4357, Nov 57. (Abstract available)

DESCRIPTORS: *Butenes, *Hexenes, Synthesis (Chemistry), *Ethylenes, Polymerization, Metal-organic compounds, *Ziegler catalysts, *Aluminum compounds, Alkyl radicals, *Titanium compounds, *Zirconium compounds.

Ethylene is polymerized with catalysts consisting of mixtures of trialkylaluminums with esters of titanic or zirconic acid to produce volatile polymers that consist primarily of butene but contain hexene and its homologs as well. (RIS abstract)
(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-12523

I. Ziegler, K.
II. Patent application (Germany) Z 4357
III. RIS-96853
IV. Research Information Service, New York

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl.
NEW METHYLENE COMPOUNDS OF LITHIUM AND MAGNESIUM. Jan 64.
Order from RIS $12.75 RIS-96595
Metal Organics Set $200.00

Trans. of German patent appl. Z 4846, 23 Aug 56. (Abstract available)

DESCRIPTORS: *Metalorganic compounds, *Ziegler catalysts, *Lithium compounds, *Magnesium compounds, *Methylenes, Synthesis (Chemistry).

Methyllithium or dimethylmagnesium is heated in the absence of air to form new methylene compounds of lithium and magnesium that are highly effective catalysts for the polymerization of ethylene. (RIS abstract)

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-12480

I. Ziegler, K.
II. Patent application (Germany) Z 4846
III. RIS-96595
IV. Research Information Service, New York

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl and Gellert, Hans-Georg.
PROCESS FOR THE PREPARATION OF ORGANO ALUMINUM COMPOUNDS. [1964] 17p
Order from OTS, SLA, or ETC $1.60 TT-64-14904

Trans. of German patent application Z 2679 I 20, 26/03, 13 May 52.

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-14904

I. Ziegler, K.
II. Gellert, H.-G.
III. Patent application (Germany) Z 2679

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

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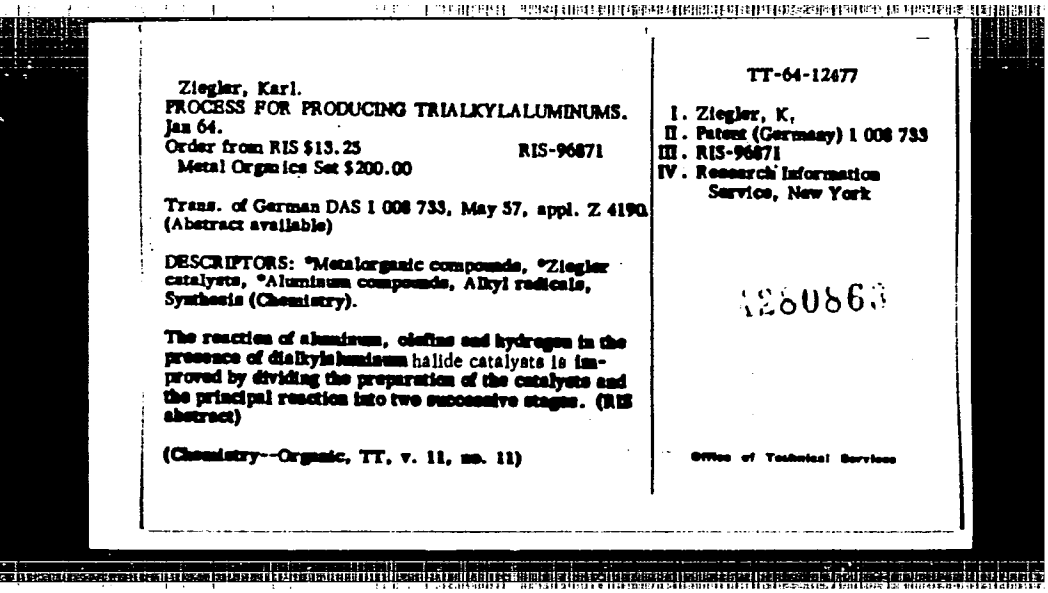

Ziegler, Karl.
PROCESS FOR PRODUCING TRIALKYLALUMINUMS.
Jan 64.
Order from RIS $13.25 RIS-96871
Metal Organics Set $200.00

Trans. of German DAS 1 008 733, May 57, appl. Z 4190. (Abstract available)

DESCRIPTORS: *Metalorganic compounds, *Ziegler catalysts, *Aluminum compounds, Alkyl radicals, Synthesis (Chemistry).

The reaction of aluminum, olefins and hydrogen in the presence of dialkylaluminum halide catalysts is improved by dividing the preparation of the catalysts and the principal reaction into two successive stages. (RIS abstract)

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-12477

I. Ziegler, K.
II. Patent (Germany) 1 008 733
III. RIS-96871
IV. Research Information Service, New York

126863

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

[Ziegler, Karl].
ACTIVATION OF OLEFIN POLYMERIZATION BY METAL-ORGANIC COMPOUNDS [Verfahren zur Polymerisation und Mischpolymerisation von Olefinen]. Jan 64 [24p]
Order from RIS $35.00 RIS-96262
Polyolefins Set $750.00

Trans. of German patent 878 560, Apr 53. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, *Alkenes, Polymerization, Metalorganic compounds, *Ziegler catalysts, *Beryllium compounds, *Aluminum compounds, *Gallium compounds, *Indium compounds, Hydrides,

Beryllium, aluminum, gallium or indium hydrides or compounds of these metals with saturated aliphatic or aromatic organic radicals are used to activate poly- (Materials--Plastics, TT, v. 11, no. 11) (over)

TT-64-12483

I. Ziegler, K.
II. Patent (Germany) 878 560
III. RIS-96262
IV. Research Information Service, New York

1280871

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl.
CONVERSION OF ETHYLENE INTO OLEFINIC POLYMERS. Jan 64.
Order from RIS $26.50 RIS-96482
Polyolefins Set $750.00

Trans. of Italian patent 516 436, Feb 55. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, *Ethylenes, Polymerization, Metalorganic compounds, *Ziegler catalysts, *Aluminum compounds, Alkyl radicals, Nickel catalysts, Acetylenes,

A two-stage process for obtaining higher olefins from ethylene by first forming higher alkylaluminums from triethylaluminum and ethylene and then treating the addition products with ethylene in the presence of compounds of nickel and acetylene. (RIS abstract)

(Materials--Plastics, TT, v. 11, no. 11)

TT-64-12490

I. Ziegler, K.
II. Patent (Italy) 516 436
III. RIS-96482
IV. Research Information Service, New York

1280872

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl.
PROCESS FOR CATALYTIC POLYMERIZATION OF ETHYLENE TO BUTENE, HEXENE AND OTHER HOMOLOGS. Jan 64.
Order from RIS $21.00 RIS-96481
Polyolefins Set $750.00

Trans. of Italian patent 521 521, Mar 55. (Abstract available)

DESCRIPTORS: *Butenes, *Hexenes, Synthesis (Chemistry), *Ethylenes, Polymerization, Metal-organic compounds, *Ziegler catalysts, *Aluminum compounds, Alkyl radicals,

Co-catalysts added to the principal catalyst, which may be alkylaluminum, make it easy to obtain almost exclusively α-butylene or its higher homologs from ethylene at temperatures under 100°C. At 100-120°C
(Chemistry--Organic, TT, v. 11, no. 11) (over)

TT-64-12489

I. Ziegler, K.
II. Patent (Italy) 521 521
III. RIS-96481
IV. Research Information Service, New York

1280873

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl.
THE MULHEIM NORMAL PRESSURE POLYETHENE PROCESS. [30 Sep 55] 15p.
Order from SLA $1.60 62-16731

Trans. of German language article from Max Planck Institute for Coal Research, Mülheim/Ruhr, Aug 55.

DESCRIPTORS: *Ethylenes, Polymerization, Pressure.

This paper tells the story of how the "normal pressure polyethene process" happened to be discovered at the Institute in Muelheim, for this discovery is a matter of historical interest and merits preservation. (Author)

(Chemistry--Organic, TT, v. 8, no. 5)

62-16731

1. Title: Mulheimer process
I. Ziegler, K.

C222685

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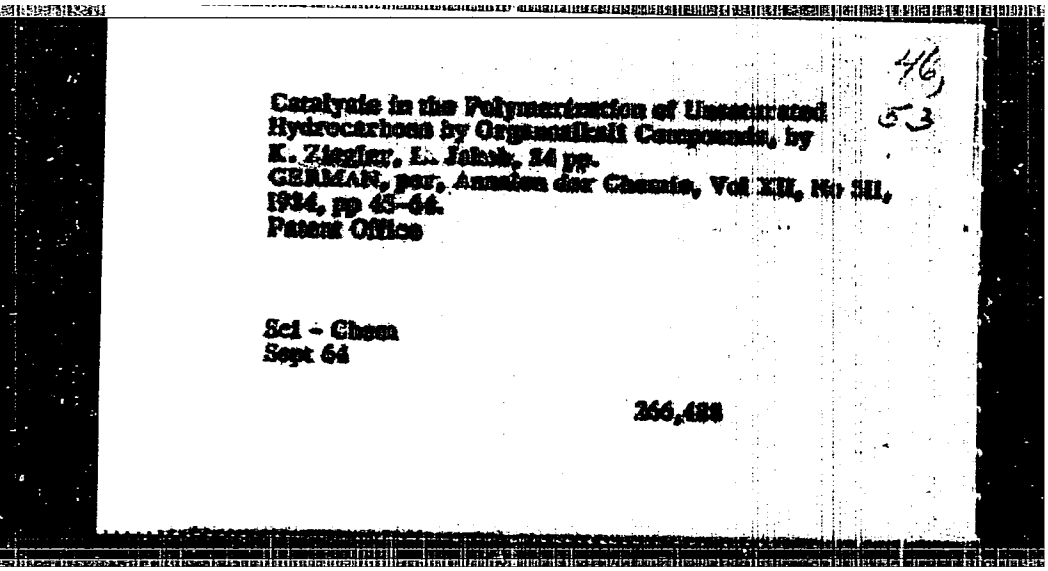
APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6



46
53

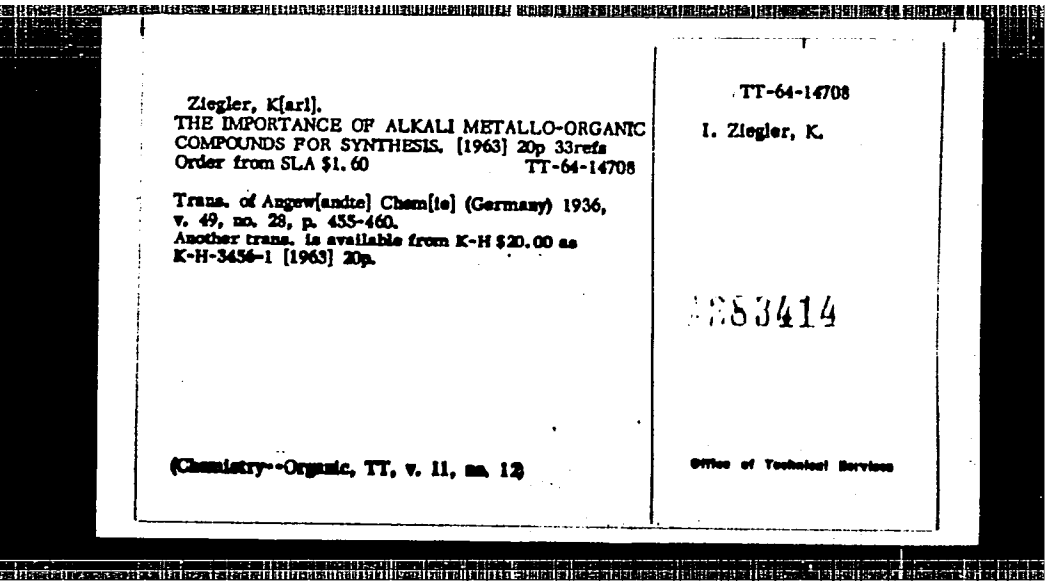
Catalysts in the Polymerization of Unsaturated Hydrocarbons by Organoalkali Compounds, by K. Ziegler, L. Jakob, 24 pp.
GERMAN, per. Annalen der Chemie, Vol XII, No III, 1934, pp 43-64.
Patent Office

Sci - Chem
Sept 64

266,488

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6



Ziegler, K[arl].
THE IMPORTANCE OF ALKALI METALLO-ORGANIC COMPOUNDS FOR SYNTHESIS. [1963] 20p 33refs
Order from SLA $1.60 TT-64-14708

Trans. of Angew[andte] Chem[ie] (Germany) 1936, v. 49, no. 28, p. 455-460.
Another trans. is available from K-H $20.00 as K-H-3456-1 [1963] 20p.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-14708

I. Ziegler, K.

853414

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl and Köster, Roland.
PROCESS FOR THE PREPARATION OF COMPLEX COMPOUNDS FROM ALUMINUM ALKYLS AND ALKALI FLUORIDES [Verfahren zur Herstellung von Komplexverbindungen aus Aluminiumkohlenwasserstoffen und Alkalifluoriden]. [1955] [10p] 1ref
Order from OTS, SLA, or ETC $1.10 TT-64-14704

Trans. of German patent application Z 3584, 12 o, 26/03, filed 25 Jul 53, pub. 3 Feb 55, opposition until 3 May 55, supplement to patent 925,348.
Another trans. is available from RIS $7.00 as RIS-96259, 5p.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-14704

I. Ziegler, K.
II. Köster, R.
III. Patent application (Germany) Z 3584
IV. Patent (Germany) 925 348 suppl.

53314

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, K[arl] and Gellert, H[ans]-G[eorge]. DETERMINATION OF THE "ACTIVITY" OF ORGANOALUMINUM COMPOUNDS. Pt. 28 of Metalloorganic Compounds. [1961] 5p. 5 refs.
Order from SLA $1.10 61-20451

Trans. of [Justus Liebigs] Annalen der Chemie (West Germany) 1960, v. 629, no. 1/3, p. 20-22.

DESCRIPTORS: Metalorganic compounds, *Aluminum compounds, *Alkyl radicals, Determination.

By "active" aluminoorganic compounds we understand Al trialkyls and Al dialkylhydrides. It is possible to determine them analytically, beside the inactive types of the R_2AlOR kind (which are formed, e.g., through autoxidation), by a simple titration method as only the active compounds are capable of fixing 1 mole of ammonia. (Author) (See also 61-20450)
(Chemistry--Organic, TT, v. 7, no. 1)

61-20451

I. Ziegler, K.
II. Gellert, H.-G.
III. Title: Metalloorganic...

184258

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl, Gellert, Hans-Georg and others.
ALUMINUM TRIALKYLS AND DIALKYL ALUMINUM HYDRIDES FROM OLEFINS, HYDROGEN, AND ALUMINUM. Pt. 26 of Metalloorganic Compounds.
[1961] 26p. 35 refs.
Order from SLA $2.60 61-20449

Trans. of [Justus Liebigs] Annalen der Chemie (West Germany) 1960, v. 629 [no. 1/3] p. 1-13.

DESCRIPTORS: Metalorganic compounds, *Aluminum compounds, *Hydrides, *Alkyl radicals, Synthesis, *Ethylenes, *Hydrogen, *Aluminum, Chemical reactions.

(Chemistry--Organic, TT, v. 7, no. 1)

61-20449

I. Ziegler, K.
II. Gellert, H.-G.
III. Title: Metalloorganic...

184256

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl, Gellert, Hans-Georg and others.
REACTIONS OF THE Al-C BOND WITH OLEFINS.
Pt. 34 of Metalloorganic Compounds. [1961] 74p.
50 refs.
Order from SLA $7.60 61-20458

Trans. of [Justus Liebigs] Annalen der Chemie (West Germany) 1960, v. 629, no. 1-3, p. 121-166.

DESCRIPTORS: Metalorganic compounds, *Aluminum compounds, *Alkyl radicals, *Ethylenes, Chemical reactions, Displacement reactions.

See also 61-20456

(Chemistry--Organic, TT, v. 7, no. 1)

61-20458

I. Ziegler, K.
II. Gellert, H.-G.
III. Title: Metalloorganic...

184264

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl, Gellert, Hans-Georg and others.
SYNTHESIS OF STRAIGHT-CHAIN α-OLEFINS FROM ETHYLENE. Pt. 36 of Metalloorganic Compounds. [1961] 42p. 24 refs.
Order from SLA $4.60 61-20460

Trans. of [Justus Liebigs] Annalen der Chemie (West Germany) 1960, v. 629, no. 1/3, p. 172-198.

DESCRIPTORS: Metalorganic compounds, *Butenes, Synthesis, *Ethylenes, *Aluminum compounds, *Alkyl radicals, Chemical reactions, Displacement reactions, Catalysts, Catalysis.

See also 60-20459

(Chemistry--Organic, TT, v. 7, no. 1)

61-20460

I. Ziegler, K.
II. Gellert, H.-G.
III. Title: Metalloorganic...

184266

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl, Koster, Roland and others.
NEW COMPLEX COMPOUNDS OF ALUMINUM ALKYLS. Pt. 30 of Metalloorganic Compounds. [1961] 29p. 13 refs.
Order from SLA $2.60 61-20453

Trans. of [Justus Liebigs] Annalen der Chemie (West Germany) 1960, v. 629, no. 1/3, p. 33-49.

DESCRIPTORS: Metalorganic compounds, *Aluminum compounds, *Alkyl radicals, Chemical reactions, *Complex compounds, Synthesis.

See also 61-20452

(Chemistry--Organic, TT, v. 7, no. 1)

61-20453

I. Ziegler, K.
II. Koster, R.
III. Title: Metalloorganic...

184260

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl and Kroll, Wolf-Rainer.
DISPLACEMENT AND GROWTH REACTIONS IN DIALKYL Al COMPOUNDS OF THE R_2AlX TYPE. Pt. 35 of Metalloorganic Compounds. [1961] 8p. 4 refs.
Order from SLA $1.10 61-20459

Trans. of [Justus Liebigs] Annalen der Chemie (West Germany) [1960] v. 629, no. 1/3, p. 167-171.

DESCRIPTORS: Metalorganic compounds, *Aluminum compounds, *Alkyl radicals, Displacement reactions.

See also 61-20458

(Chemistry--Organic, TT, v. 7, no. 1)

61-20459

I. Ziegler, K.
II. Kroll, W.-R.
III. Title: Metalloorganic...

184265

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl, Kroll, Wolf-Rainer and others.
DISSOCIATION AND EXCHANGE REACTIONS OF THE ALUMINUM TRIALKYLS. Pt. 32 of Metalloorganic Compounds. [1961] 57p. 31 refs.
Order from SLA $5.60 61-20455

Trans. of [Justus Liebigs] Ann[alen] der Chemie (West Germany) 1960, v. 629 [no. 1/3] p. 53-89.

DESCRIPTORS: Metalorganic compounds, *Aluminum compounds, *Alkyl radicals, Exchange reactions, Dissociation.

See also 61-20454

(Chemistry--Organic, TT, v. 7, no. 1)

61-20455

I. Ziegler, K.
II. Kroll, W.-R.
III. Title: Metalloorganic...

184262

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl, Krupp, Felix, and Zosel, Kurt. SYNTHESIS OF ALCOHOLS FROM ORGANO-ALUMINUM COMPOUNDS. Pt. 40 of Metalloorganic Compounds. [1961] 15p. 24 refs.
Order from SLA $1.60 61-20480

Trans. of [Justus Liebigs] Annalen der Chemie (West Germany) 1960, v. 629, no. 1-3, p. 241-250.

DESCRIPTORS: Metalorganic compounds, *Aluminum compounds, *Alkyl radicals, Oxidation, *Alcohols, Synthesis.

See also 61-20468

(Chemistry--Organic, TT, v. 7, no. 1)

61-20480

I. Ziegler, K.
II. Krupp, F.
III. Zosel, K.
IV. Title: Metalloorganic...

184273

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl, Krupp, Felix and others.
REACTIONS OF THE Al TRIALKYLS WITH CARBON DIOXIDE AND SULFUR DIOXIDE. Pt. 41 of Metalloorganic Compounds. [1961] 10p. 8 refs.
Order from SLA $1.10 61-20463

Trans. of [Justus Liebigs] Annalen der Chemie (West Germany) [1960] v. 629, no. 1/3, p. 251-256.

DESCRIPTORS: *Aluminum compounds, *Alkyl radicals, *Carbon dioxide, *Sulfur compounds, *Dioxides, Chemical reactions, *Carboxylic acids, *Sulfinic acids, Acids, Production, Metalorganic compounds.

See also 61-20480

(Chemistry--Organic, TT, v. 7, no. 1)

61-20463

I. Ziegler, K.
II. Krupp, F.
III. Title: Metalloorganic...

184269

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl, Martin, Heinz, and Krupp, Felix.
. ALUMINUM TRIALKYLS AND DIALKYL ALUMINUM HYDRIDES FROM ISOBUTYL ALUMINUM COMPOUNDS. Pt. 27 of Metalloorganic Compounds. [1961] 8p. 8 refs.
Order from SLA $1.10 61-20450

Trans. of [Justus] Liebigs Ann[alen der] Chem[ie] (West Germany) 1960, v. 629 [no. 1/3] p. 14-19.

DESCRIPTORS: Metalorganic compounds, *Aluminum compounds, *Hydrides, *Alkyl radicals, *Butyl radicals, Synthesis, Chemical reactions.

See also 61-20449

(Chemistry--Organic, TT, v. 7, no. 1)

61-20450

I. Ziegler, K.
II. Martin, H.
III. Krupp, F.
IV. Title: Metalloorganic...

184257

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl, Nagel, Konrad and Pfohl, Werner.
PYROLYSIS OF Al TRIALKYLS. Pt. 38 of Metalloorganic Compounds. [1961] 19p. 5 refs.
Order from SLA $1.60 61-20462

Trans. of [Justus Liebigs] Annalen der Chemie (West Germany) 1960, v. 629, no. 1/3, p. 210-221.

DESCRIPTORS: Metalorganic compounds, *Aluminum compounds, *Alkyl radicals, Pyrolysis.

See also 60-20461

(Chemistry--Organic, TT, v. 7, no. 1)

61-20462

I. Ziegler, K.
II. Nagel, K.
III. Pfohl, W.
IV. Title: Metalloorganic...

184268

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl.
IMPROVED CATALYST FOR PRODUCING COPOLYMERS OF OLEFINS WITH HIGH MOLECULAR WEIGHT. [1961] 7p.
Order from RIS $23.00 RIS rept. 97137

Trans. of Belgian patent application 569 816, by Montecatini; Società Generale per l'Industria Mineraria e Chimica, Milan [Italy] filed 28 July 58 (priority: Italy, 29 July 57, no. 11 271).

DESCRIPTORS: *Catalysts, *Copolymerization, Ethylenes, Molecular weight.

(Chemistry--Organic, TT, v. 6, no. 5)

61-22973

I. Ziegler, K.
II. Patent Application (Belgium) 569 816
III. RIS-97137
IV. Research Information Service, New York

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl.
PERFECTED CATALYST SYSTEM FOR POLYMERIZATION OF α-OLEFINS OR OTHER HYDROCARBONS WITH VINYL GROUPS. [1961] 11p.
Order from RIS $28.00 RIS rept. 97136

Trans. of Belgian patent 572 726, by Montecatini; Societa General per l'Industria Mineraria e Chimica, Milan, Italy, filed 6 Nov 58 (priority: Italy, 7 Nov 57, no. 6193).

DESCRIPTORS: *Polymerization, *Catalysts, *Ethylenes Hydrocarbons, *Vinyl radicals, *Polymers.

(Chemistry--Organic, TT, v. 6, no. 5)

61-22974

I. Ziegler, K.
II. Patent (Belgium) 572 726
III. RIS-97136
IV. Research Information Service, New York

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl.
NEW PROCESS FOR REGULATING THE MOLECULAR WEIGHT OF ETHYLENE-PROPYLENE AND ETHYLENE-BUTENE COPOLYMERS. [1961] 8p.
Order from RIS $18.00 RIS rept. 97142

Trans. of Belgian patent application 593 590, by Montecatini Società Generale per l'Industria Mineraria e Chemica, Milan, Italy, filed 29 July 60 (priority: Italy, July 59).

DESCRIPTORS: Molecular weight, Propenes, *Butenes, *Ethylenes, Copolymerization, Metalorganic compounds, Polymers.

(Materials--Plastics, TT, v. 6, no. 5)

61-25005

I. Ziegler, K.
II. Patent Application (Belgium) 593 590
III. RIS-97142
IV. Research Information Service, New York

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl.
25 YEARS OF "STUDY OF TRIVALENT CARBON" (25 Jahre "Zur Kenntnis des Dreiwertigen Kohlenstoffs"). 1958, 26p. 50 refs.
Order from SLA mi$2.70, ph$4.80 61-10062

Trans. of Angew[andte] Chemie (West Germany) 1949, v. 61 [no. 5] p. 168-179.

(Chemistry--Organic, TT, v. 5, no. 7)

61-10062

1. Free radicals--Chemical reactions
2. Organic compounds--Chemical reactions
I. Ziegler, K.

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl.
PROCESS FOR PRODUCING A NEW TYPE OF STRICTLY REGULAR POLYMERS FROM UNSATURATED MONOMERS. [1961] 23p.
Order from RIS $55.00 RIS rept. 97135

Trans. of Belgian patent application 585 563, 11 Dec 59 by Montecatini, Societa Generale per l'Industria Mineraria e Chimica, Milan.

DESCRIPTORS: *Polymers, Synthesis, Monocyclic compounds, Ethylenes, Catalysts.

(Chemistry--Organic, TT, v. 6, no. 2)

61-22490

I. Ziegler, K.
II. Patent application (Belgium) 585 563,
III. RIS-97135
IV. Research Information Service, New York

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, K.
THE THEORY AND PRACTICE OF ORGANOMETALLIC SYNTHESIS OF HIGHER ALIPHATIC COMPOUNDS FROM LOWER OLEFINS. [1961] 14p.
Order from ATS $22.80 ATS-21N49G

Trans. of Angew[andte] Chem[ie] (West Germany) 1960, v. 72, no. 22, p. 829-835.

(Chemistry--Organic, TT, v. 5, no. 11)

61-22166

1. Metalorganic compounds--Synthesis
2. Ethylenes--Chemical reactions
I. Ziegler, K.
II. ATS-21N49G
III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, Karl and Holzkamp, Erhard.
ORGANOMETALLIC COMPOUNDS. XXII. MAGNESIUM-ALUMINUM-ORGANIC COMPLEX COMPOUNDS (Metallorganische Verbindungen. XXII. Magnesium-Aluminum-Organische Komplexverbindungen). [1960] [7]p. 12 refs.
Order from SLA mi$1.80, ph$1.80 61-10487

Trans. of [Justus] Liebigs Ann[alen der] Chem[ie] (West Germany) 1957, v. 605 [no. 1/3] p. 93-97.

A successful attempt to make magnesium-aluminum organic complex compounds is reported. This work is an outgrowth of research on aluminum organic compounds and on alkali-aluminum-tetraalkyl complexes. Preparation and properties of "complete" and "partial" complexes, $Mg(AlR_4)_2$ and $RMg(AlR_4)$, are described. Results show that the organic magnesium-aluminum compounds form less stable complexes than the corresponding alkali-aluminum compounds. However, interesting changes in solubility relationships
(Chemistry--Organic, TT, v. 5, no. 8) (over)

61-10487

1. Metalorganic compounds--Synthesis
2. Aluminum compounds (Organic)--Synthesis
3. Magnesium compounds (Organic)--Synthesis
4. Complex compounds--Synthesis

I. Ziegler, K.
II. Holzkamp, E.
III. Title: Magnesium-...

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, K., Häffner, F., and Grimm, H.
STEREOCHEMICAL STUDIES. II. cis-1,2-DIMETHYLETHYLENE FROM BUTADIENE-(1,3). [1963]
20p 25refs
Order from SLA $1.60 TT-64-10118

Trans. of [Justus Liebigs] Ann[alen der Chemie] (Germany) 1937, v. 528, p. 101-113.
Another trans. is available from SLA as AL-842, 20p

DESCRIPTORS: *Stereochemistry, *Butenes, Ethylene derivatives, Methyl radicals, Synthesis (Chemistry), *Butadienes, Hydrogenation, Catalysts Metalorganic compounds, *Ziegler catalysts.

(Chemistry--Organic, TT, v. 11, no. 5)

TT-64-10118

I. Ziegler, K.
II. Häffner, F.
III. Grimm, H.
IV. Title: cis-1,2-Dimethylethylene ...
V. SLA-AL-842

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ziegler, K., Jakob, L., Wolthan, H., and Wenz, A. THE FIRST PRODUCTS OF THE ACTION OF ALKALI METALS ON BUTADIENE. [1963] 30p 13refs Order from SLA $2.60 TT-64-10117

Trans. of [Justus Liebigs] Annalen [der Chemie] (Germany) 1934, v. 511, p. 64-88.
Another trans. is available from SLA as AL-844, 30p.

DESCRIPTORS: *Butadienes, *Alkali metals, Chemical reactions, Hydrocarbons,

(Chemistry--Organic, TT, v. 11, no. 5)

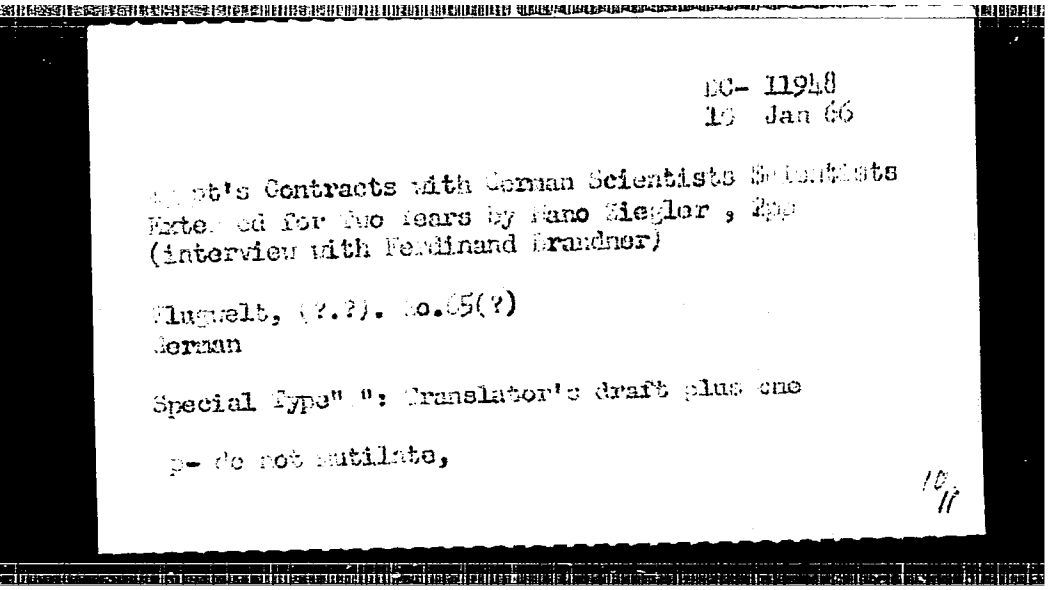
TT-64-10117

I. Ziegler, K.
II. Jakob, L.
III. Wolthan, H.
IV. Wenz, A.
V. SLA-AL-844

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6



DC- 11948
19 Jan 66

[illegible]'s Contracts with German Scientists Scientists
Extended for Two Years by Hans Ziegler , Dpt
(interview with Ferdinand Brandner)

Flugwelt, (?.?). No.65(?)
German

Special Type" "; Translator's draft plus one

p- do not mutilate,

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Ultrasonic Measurement of Section Size of Gray-Iron Castings, by R. Ziegler, R. Gerstner

GERMAN, per, Giesserei, Techn Wissensch Beihefte, Suppl 1956 No 16, Sep 1956, pp 829-835.

Brutcher No 3840
$9.85

42, 895

Sci - Min/Metals
Jan 57 CTS

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

Investigations of the Carbon Dioxide Process (for Foundries, by R. Ziegler, G. Hammer.

GERMAN, per, Giesserei-Nachrichten, No 2, May 1955, pp 5-12.

Henry Brutcher Tr 3696

Sci - Chemistry, Minerals/metals

May 1956 34,896 $ 6.60

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

ZIEGLER R.

Stahl Und Eisen, vol. 61, 8 figures, 1 table, 1200 words; 1941.

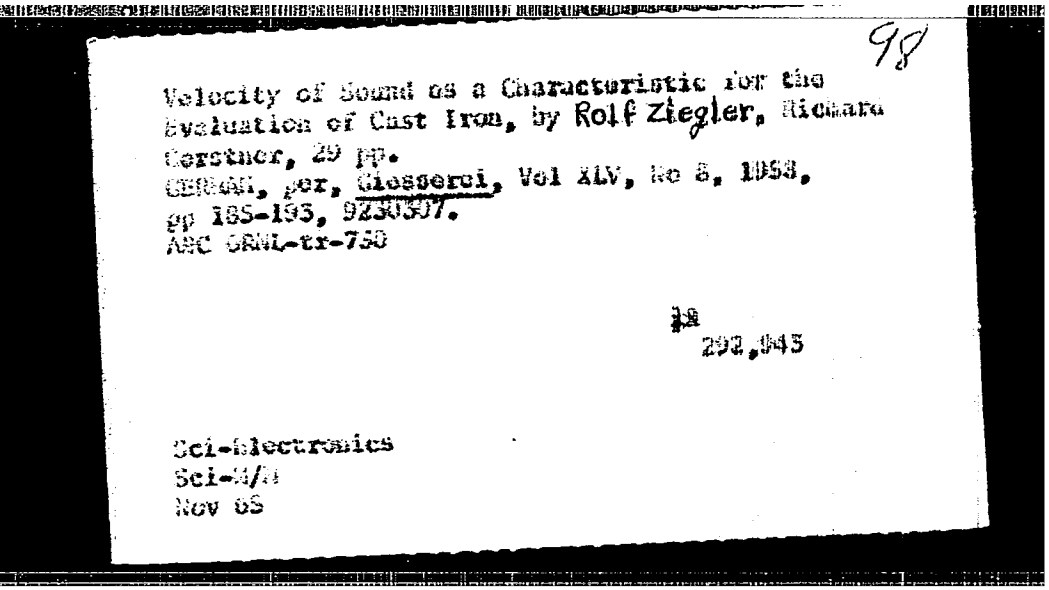
Influence of Oxygen Content upon Sensitivity to Overheating and Abnormality of Steel.

Brutcher Trans, Order No. 1024, $1.20

A13483

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6



98

Velocity of Sound as a Characteristic for the Evaluation of Cast Iron, by Rolf Ziegler, Richard Gerstner, 29 pp.
GERMAN, per, Giesserei, Vol XLV, No 8, 1958, pp 185-193, 9230507.
AEC GRNL-tr-750

19
292,045

Sci-Electronics
Sci-M/A
Nov 68

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

The Velocity of Sound as Characteristic Value of the Quality of Cast Iron, by R. Ziegler, R. Gerstner. UNCL

GERMAN, rpt, From 24th International Foundry Congress, 1957, Aug 1957, pp 133-157.

BISI 1496

Sci - Phys
Mar 60

(14 15s.0d.)

111, 158

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

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APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

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EFFECT OF METHOXYDONE UPON THE PSYCHO-MOTOR ACTIVITY OF THE RAT. [1962] 4p. 11 refs.
Order from SLA $1.10 62-14352

Trans. of As[ociacion] Med[ica] Argen[tina, Buenos Aires]. Rev[ista] 1960, v. 74, no. 9, p. 531-533. Another trans. is available from ATS $5.60 as ATS-05N51SP [1961] 3p.

DESCRIPTORS: *Nervous system, *Neuromuscular transmission, *Drugs.

The drug 5-(o-methoxyphenoxymethyl)-2-oxazolidone reduces spontaneous motor activity in white rats, in a statistically significant way up from 50 mg/kg of body weight when administered intraperitoneally. The maximum effects are reached practically with doses of 100 mg/kg of body weight. The drug proves to be
(Biological Sciences--Pharmacology, TT, v. 8, no. 6)
(over)

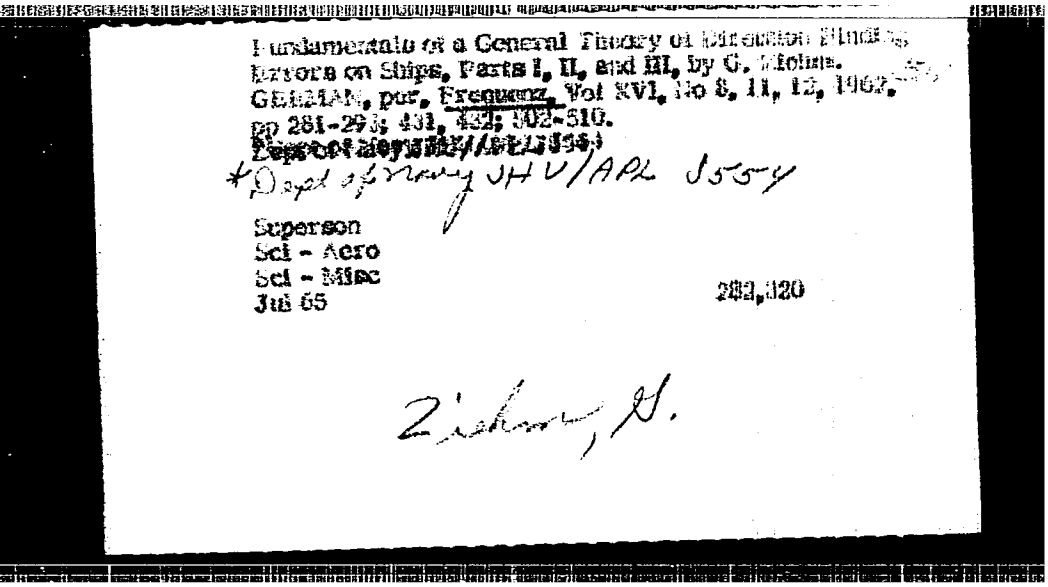
62-14352

1. Title: Methoxadone
I. Zieher, L. M.
II. Fischer, E.

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6



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pp 281-293; 431, 432; 502-510.
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Jul 65

282,020

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(DC-5037)

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Mar 61

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SLA Tr x 57-590

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Sep 57

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Transportation Insurance Information by Jan Zieleniewski and Stanislaw Szczypiorski
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JPRS CSO DC 12984

Poland
Economic
Feb 67

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JPRS 11937

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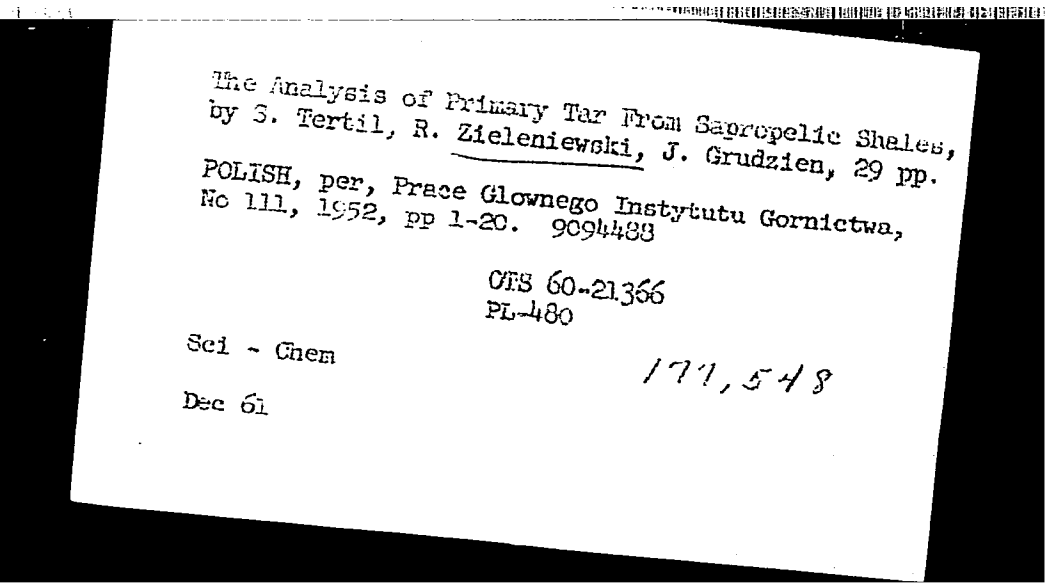

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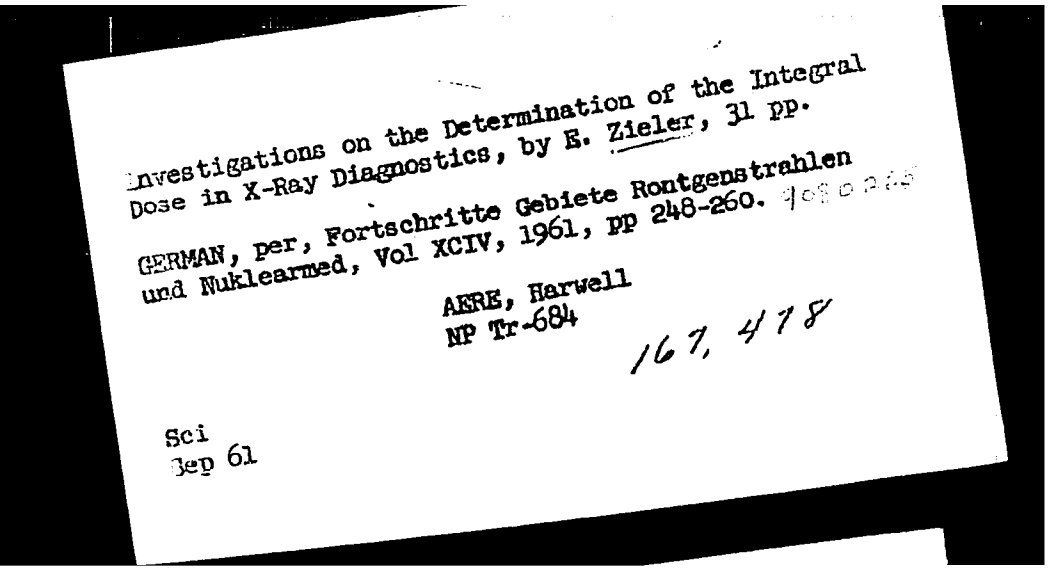

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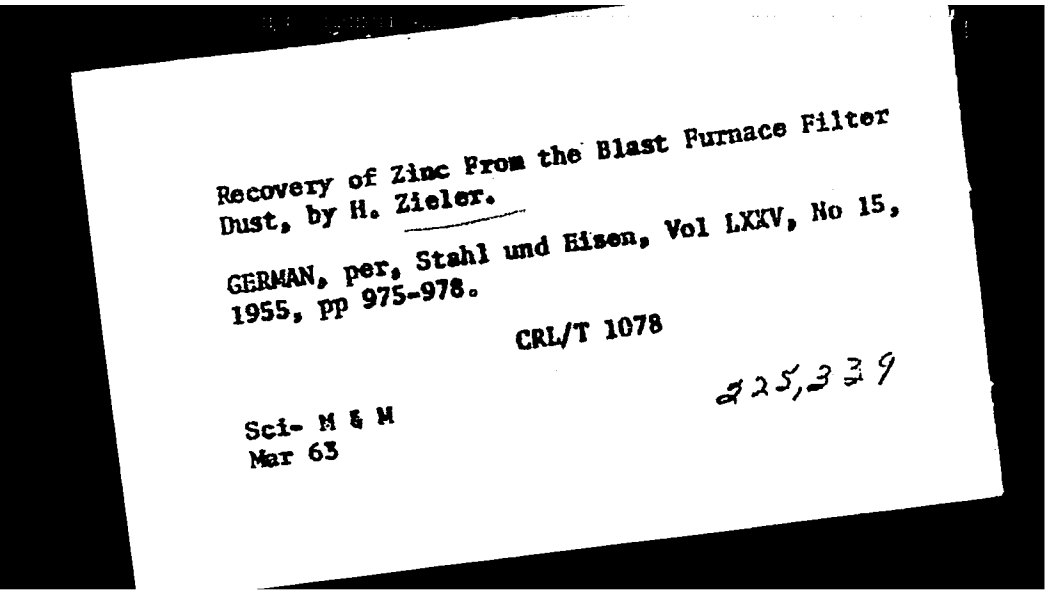

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JPRS 23251

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Feb 64

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SOME PROBLEMS IN POLAND'S ECONOMIC DEVELOPMENT IN 1956-1961 IN RELATION TO OTHER CEMA COUNTRIES, BY ANDRZEJ KARPINSKI, BOGUMILA ZIELINSKA, 19 PP.

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OCT 62

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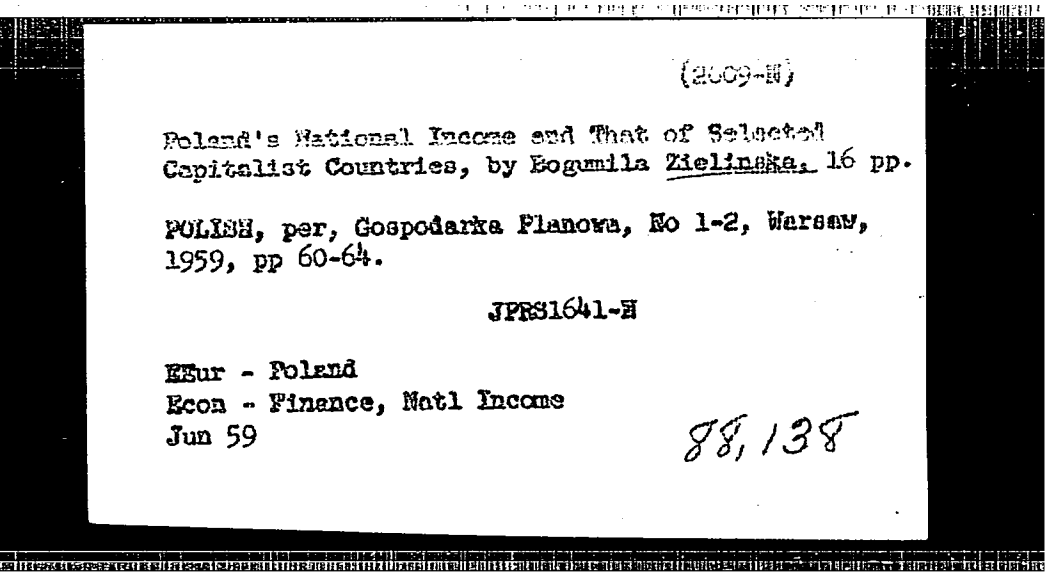

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JPRS1641-H

EEur - Poland
Econ - Finance, Natl Income
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SUR LA BETANINE, COLORANT DE LA BETTERAVE À SUCRE (Betanine - the Beet Pigment). 11p. 6refs. CNRS-II 163.
Order from OTS, ETC or CNRS $1.10 TT-62-28836

Trans. in French of Przemysl Spozywczy (Poland) 1960, v.14, no.4, p.208-212.

DESCRIPTORS: Plants (Botany), Sucrose, *Organic pigments, Solvent extraction, Chemical precipitation.

(Biological Sciences--Biochemistry, TT, v. 11, no. 9)

TT-62-28836

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Office of Technical Services
European Translations Centre

DD

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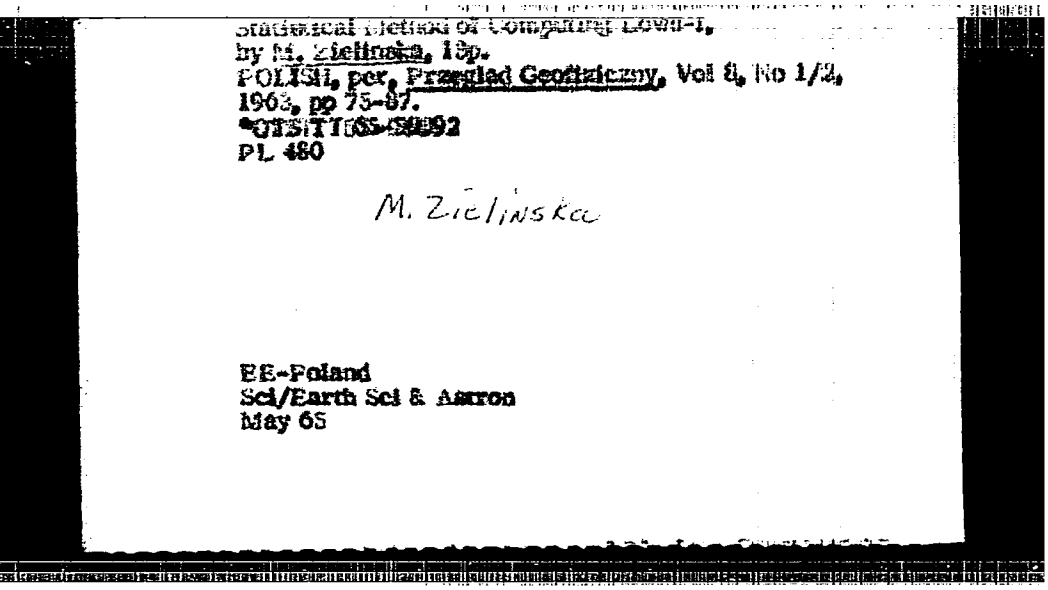

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*OTSTT65-62092
PL 480

M. Zielinska

EE-Poland
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May 65

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000200600059-6

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Statistical Methods of Defining Low Water Stages-II, by Maria Zielinska, POLISH, per. Przeglad Geofizyczny, Vol IX(XVII), No 2, 1964, pp 109-120.
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Jul 67

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Sci - Engr

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ACSI I-2947
ID 2240817

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(NY-3074).

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JPRS-2108-N

EEur - Poland
Econ - Trans - RR (locomotives)
Jan 60

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Sci - Chem

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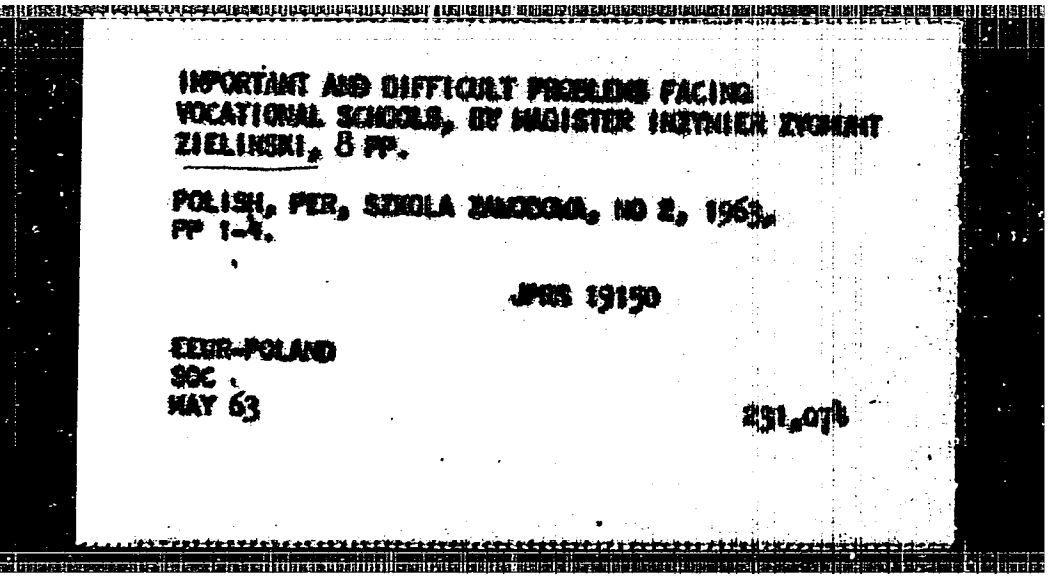

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JPRS 19150

EEGR-POLAND
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MAY 63

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US JPRS/NY-856

EEur - Poland
Econ - Electric power

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OTS 59-22339

Sci - M/M
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in Chemical Processing of Coal, by Henryk Bielinski,
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JPRS 29733

EE-Poland
Econ
Apr 65

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Operation of the ATS Prime Mover in the Winter Tide, by Jan Zielinski, 11 pp. UNCLASSIFIED

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AGSI H-3245

EE - Poland
Econ
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(NY-4679)

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JPRS 5756

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Econ
Oct 60

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JPRS 8711

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Econ

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Aug 61

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Vol 69, No 1, 1960, pp 19-35.
GB 96

J. ZIELINSKI

Sci -
Aug 67

335,611

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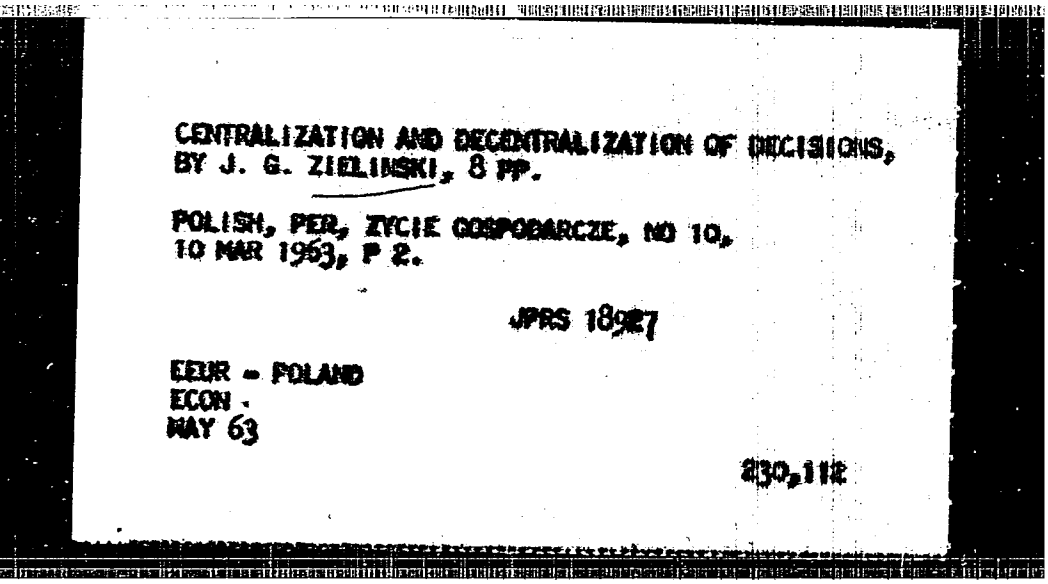

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EEUR - POLAND
ECON.
MAY 63

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NASA TT F-8037

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Sci
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AEC-Tr-4155

Sci

Jan 63

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Isotope Effect in the Van Slyke Combustion of Some Carbon-14 Aliphatic Alcohols and Acids, by I. Zlotowski, M. Zielinski, 6 pp.

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AEC-tr-4150
PL-480

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May 62

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Determination of ^{14}C Isotope in the Gaseous Phase in a Geiger-Muller Counter Filled With a Mixture of CO_2 or CO ang a Heavy Saturated Hydrocarbon, by I. Zlotowski, M. Zielinski, 15 pp.

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Sci - Chem
Sep 61

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R-900

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US JPRS/DC-L-444

EEur - Poland

Econ - Foreign Trade

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HB 5194

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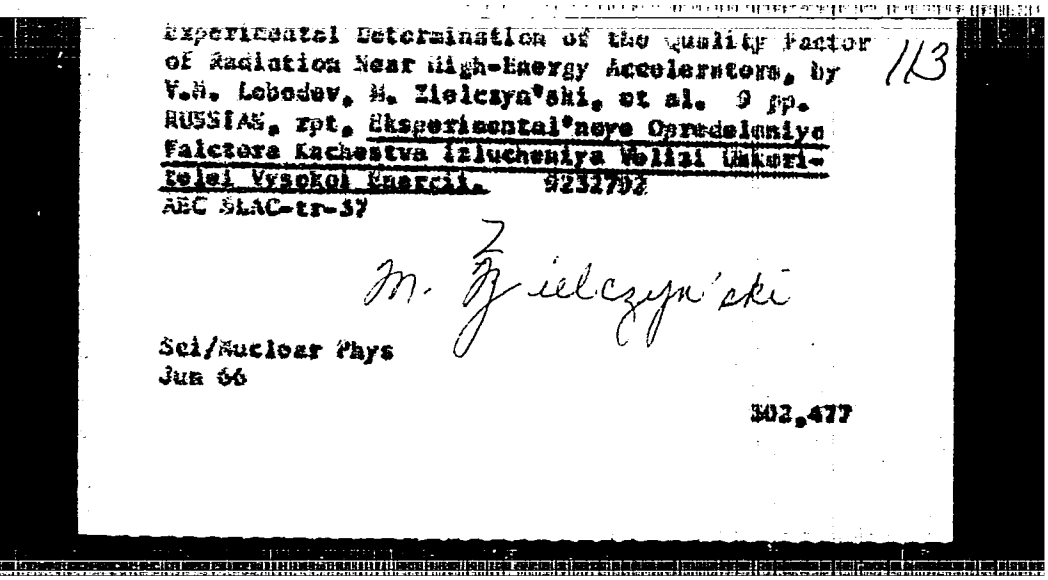

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